

Docket No.

116741-00237

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



IN RE APPLICATION OF: Edward Ashton

SERIAL NO: 10/759,060

GAU:

Unassigned

FILED: January 20, 2004

EXAMINER:

Unassigned

FOR: METHOD AND SYSTEM FOR AUTOMATIC IDENTIFICATION
AND QUANTIFICATION OF ABNORMAL ANATOMICAL
STRUCTURES IN MEDICAL IMAGES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA. 22313-1450

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a copy of applicant's pending application(s) or issued patent(s) which may be related to the present application. These documents are listed on form PTO-1449, also attached.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☒ Each item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in any counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.
- ☒ This Information Disclosure Statement is being filed within three months of the filing date of the subject patent application.
- ☒ This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

PETITION

- ☐ Applicant(s) hereby request consideration of the attached information. A check is attached in the amount of the Petition fee required under 37 CFR §1.17(i)(1).

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 23-2185. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

BLANK ROME LLP

600 NEW HAMPSHIRE AVENUE, N.W.
WASHINGTON, DC 20037
TEL (202) 944-3000
FAX (202) 572-8398



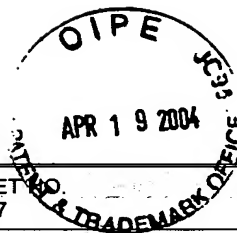
27557

PATENT TRADEMARK OFFICE

Michael C. Greenbaum
Attorney of Record
Registration No. 28,419

Date: April 19, 2004

O8/01



Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 116741-00237		SERIAL NO. 10759,060	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Edward Ashton			
		FILING DATE January 20, 2004		GROUP Unassigned	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUB CLASS FILING DATE IF APPROPRIATE
	AA	5,812,691	09/1998	Udupa et al.	
	AB	5,987,094	11/1999	Clarke et al.	
	AC	6,112,112	08/2000	Gilhuijs et al.	
	AD				
	AE				
	AF				
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	AH				
	AI				
	AJ				
	AK				
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	AP				
	AQ				
	AR				
FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
	AS				
	AT				
	AU				
	AV				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
	AW	Ashton, E.A., "Multialgorithm solution for automated multispectral target detection," Optical Engineering, Vol. 38, No. 4, April 1999, pp. 717-724.			
	AX	Ashton, E.A., "Detection of Subpixel Anomalies in Multispectral Infrared Imagery Using an Adaptive Bayesian Classifier," IEEE Transactions on Geoscience and Remote Sensing, Vol. 36, No. 2, March 1998, pp. 506-517.			
	AY				
	AZ				
Examiner				Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/27982

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K 9/00
US CL : 382/128, 154

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/128, 131, 154, 173, 180, 224, 227,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,812,691 A (UDUPA et al.) 22 September 1998 (22.09.1998), see the entire document	1-15, 18-31
A	US 5,987,094 A (CLARKE et al.) 16 November 1999 (16.11.1999), see the entire document	1-15, 18-31
A	US 6,112,112 A (GILHUIJS et al.) 29 August 2000 (29.08.2000), see the entire document	1-15, 18-31
A	ASHTON, E. A., "Multialgorithm solution for automated multispectral target detection," Optical Engineering, Vol. 38, No. 4, April 1999, pp. 717-724.	16-17, 32-33
A	ASHTON, E. A., "Detection of Subpixel Anomalies in Multispectral Infrared Imagery Using an Adaptive Bayesian Classifier," IEEE Transactions on Geoscience and Remote Sensing, Vol. 36, No. 2, March 1998, pp. 506-517.	16-17, 32-33



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

22 December 2003 (22.12.2003)

Date of mailing of the international search report

02 FEB 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Andrew W. Johns

Telephone No. (703) 305-3231